

Patent claims

1. Multiaxial complex of multifilament threads formed of continuous filaments, whereby the multifilament threads are placed on top of one another in different orientations, and the threads of the 0° layers run in the production direction, characterized in that the multifilament threads of the 0° layers are laid in between the other multifilament layers layered in different orientations and, spread apart and without any torsion before their placement, are placed onto the previous multifilament layer.
2. Device for producing a multiaxial complex of multifilament threads formed of continuous filaments, whereby the multifilament threads are placed on top of one another in different orientations, and the threads of the 0° layers run in the production direction and are laid in between the other multifilament layers layered in different orientations, whereby at the end of the multiaxial machine a knitting or sewing machine bonds the scrim formed of weft threads and several threads of the 0° layer, characterized by press rollers engaged in the feeding of the multifilament threads, over which rollers the multifilament threads are guided.
3. Method for producing a multiaxial complex of multifilament threads formed of continuous filaments, whereby the multifilament threads are placed on top of one another in different orientations, and the threads of the 0° layers run in the production direction and are laid in between the other multifilament layers layered in different orientations, characterized in that the multifilament threads of the 0° layers are guided over press rollers before being laid down on the previous multifilament layer, which rollers cause the multifilament threads to be spread apart and feed the multifilament threads to the sewing without any torsion.